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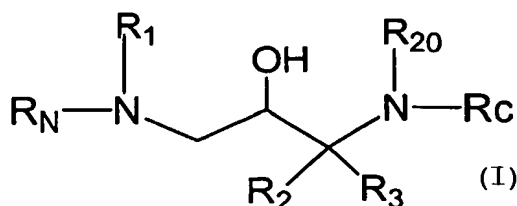
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For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: COMPOUNDS FOR THE TREATMENT OF ALZHEIMER'S DISEASE



(57) Abstract: The invention relates to compounds of formula (I). Useful
in treating Alzheimer's disease and other similar diseases. These com-
pounds include inhibitors of the beta-secretase enzyme that are useful in
the treatment of Alzheimer's disease and other diseases characterized by
deposition of A beta peptide in a mammal. The compounds of the inven-
tion are useful in pharmaceutical compositions and methods of treatment
to reduce A beta peptide formation.

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INTERNATIONAL SEARCH REPORT

International Application No.
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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C233/78 C07C311/18 C07D335/06 A61K31/166 A61K31/18
A61K31/382 A61P25/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>SHIRO KATO ET AL.: "Synthesis and Biological Activities of Metabolites of Mosapride, a New Gastroprokinetic Agent" CHEMICAL AND PHARMACEUTICAL BULLETIN., vol. 43, no. 4, April 1995 (1995-04), pages 699-702, XP002275299 TOKYO JP</p> <p>page 700, compound 10; page 701, column 1, paragraph 6</p> <p style="text-align: center;">--- -/--</p>	1,2,4,5, 7,8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

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08/04/2004

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No.
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MANABU HORI KIM D. JANDA: "A Soluble Polymer Approach to the "Fishing Out" Principle: Synthesis and Purification of beta-Amino Alcohols" JOURNAL OF ORGANIC CHEMISTRY, vol. 63, no. 3, - 1998 pages 889-894, XP002275300 EASTON US pages 892 - 893, table 1, compounds 31 - 37	1,2,7,8
X	--- UELI SULSER ET AL.: "168. Zur Reaktion von Monosubstituierten Epoxypropanen mit Benzylamin" HELVETICA CHIMICA ACTA., vol. 60, 1977, pages 1676-1690, XP002275301 VERLAG HELVETICA CHIMICA ACTA. BASEL., CH ISSN: 0018-019X page 1687, line 15 - line 33	1,2,7,8
X	--- DE 27 20 968 A (KALI-CHEMIE) 23 November 1978 (1978-11-23) examples	1,2,7,8
X	--- DE 27 20 915 A (KALI-CHEMIE) 23 November 1978 (1978-11-23) examples	1,2,7,8
X	--- DE 479 354 C (I.G. FARBENINDUSTRIE) 20 June 1929 (1929-06-20) page 2, column 2, line 32 - line 40	1,2,7,8
X	--- WO 02 02512 A (ELAN) 10 January 2002 (2002-01-10) claims; examples	1-14

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1-8, 10-14 (all in part)

The initial phase of the search revealed a very large number of documents relevant to the issue of novelty. So many documents were retrieved that it is impossible to determine which parts of the claims may be said to define subject-matter for which protection might legitimately be sought (Article 6 PCT). For these reasons, a meaningful search over the whole breadth of the claims is impossible. Consequently, the search has been restricted to the compounds according to claim 9 and to the examples.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

ational application No.
PCT/US 03/30388

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 13 and 14 are directed to a method of treatment of the human body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☒ Claims Nos.: 1-8, 10-14 (all in part)
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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INTERNATIONAL SEARCH REPORT

International Application No
 P US 03/30388

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